

100 μ l of the PCR solution containing 10 μ l of 10 x PCR Gold Buffer II, 1.5mM MgCl₂, 0.08mM dNTPs (dATP, dGTP, dCTP, dTTP), 5 units of DNA-polymerase AmpliTaq Gold (all by PERKIN ELMER) and each 2.5 pmole of each synthesized oligonucleotide (12B5VH-1 to -4) was heated at 94⁰C of the initial temperature for 9 minutes, at 94⁰ C for 2 minutes at 55⁰C for 2 minutes and 72⁰C for 2 minutes. After repeating the cycle two times each 100 pmole of external primer 12B5VH-S and 12B5VH-A was added. The mixture was subjected to the cycle consisting of at 94⁰C for 30 seconds, at 55⁰C for 30 seconds and 72⁰C for 1 minute 35 times and heated at 72⁰ for further 5 minutes.

IN THE CLAIMS:

In accordance with 37 C.F.R. § 1.121, please substitute for original claims 3 – 9, 11 – 17, and 22, the following rewritten version of the same claims, as amended. The changes are shown explicitly in the attached "Version With Markings to Show Changes Made".

3. (Amended) The modified antibody of claim 1, wherein the linker comprises at least one amino acid.

4. (Amended) The modified antibody of claim 1, wherein the modified monoclonal antibody is a dimer of single chain Fv comprising an H chain V region and an L chain V region.

5. (Amended) The modified antibody of claim 1, wherein the modified antibody is a single chain polypeptide comprising two H chain V regions and two L chain V regions.

6. (Amended) The modified antibody of claim 1, wherein the modified antibody further comprises an amino acid sequence(s) for peptide purification.

7. (Amended) The modified antibody of claim 1, wherein the modified antibody has been purified.

8. (Amended) The modified antibody of 1, wherein H chain V region and/or L chain V region is humanized H chain V region and/or L chain V region.